

Title (en)
MODIFICATION OF PLANT DEVELOPMENT AND MORPHOLOGY

Title (de)
MODIFIZIERUNG VON PFLANZENENTWICKLUNG UND -MORPHOLOGIE

Title (fr)
MODIFICATION DU DEVELOPPEMENT ET DE LA MORPHOLOGIE D'UNE PLANTE

Publication
EP 1794303 A2 20070613 (EN)

Application
EP 05786997 A 20050928

Priority

- GB 2005003719 W 20050928
- GB 0421598 A 20040929

Abstract (en)
[origin: WO2006035221A2] The present invention relates to a method of modifying morphology in a plant comprising introducing into a plant at least one chimaeric gene comprising a promoter sequence operably associated with a nucleic acid sequence, the promoter sequence being operable to direct expression in specific cells of the plant and the nucleic acid sequence encoding at least one gene product capable of altering the metabolism of or causing death of the specific cells and/or nearby cells. In particular, the promoter sequence is operable to direct expression in lateral bud or lateral shoot and the nucleic acid encoding at least one gene product capable of disrupting the metabolism of or causing the death of the lateral bud or lateral shoot or nearby cells. Preferably the promoter sequence comprises the sequence shown as SEQ ID No. 1 or SEQ ID No. 7 or SEQ ID No. 4, or a part thereof capable of regulating expression of a gene, or a sequence having at least 60%, preferably at least 75%, homology to SEQ ID No. 1 or SEQ ID No. 7 and being capable of regulating expression of a gene.

IPC 8 full level
C12N 15/82 (2006.01)

CPC (source: EP US)
C12N 15/8226 (2013.01 - EP US); **C12N 15/8229** (2013.01 - EP US); **C12N 15/8237** (2013.01 - EP US); **C12N 15/8261** (2013.01 - EP US); **C12N 15/8263** (2013.01 - EP US); **Y02A 40/146** (2017.12 - EP US)

Citation (search report)
See references of WO 2006035221A2

Cited by
CN103571844A; CN104109671A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
WO 2006035221 A2 20060406; WO 2006035221 A3 20060518; AR 050809 A1 20061122; AT E523594 T1 20110915; BR PI0515929 A 20080812; BR PI0515929 B1 20170502; CN 101048508 A 20071003; CN 101048508 B 20120516; EP 1794303 A2 20070613; EP 1794303 B1 20110907; ES 2373318 T3 20120202; GB 0421598 D0 20041027; HK 1113390 A1 20081003; US 2009249518 A1 20091001; US 2012011616 A1 20120112; US 2014033364 A1 20140130; US 8093459 B2 20120110; US 8575423 B2 20131105; US 9481890 B2 20161101

DOCDB simple family (application)
GB 2005003719 W 20050928; AR P050104069 A 20050927; AT 05786997 T 20050928; BR PI0515929 A 20050928; CN 200580032572 A 20050928; EP 05786997 A 20050928; ES 05786997 T 20050928; GB 0421598 A 20040929; HK 08103511 A 20080328; US 201113160239 A 20110614; US 201314041679 A 20130930; US 72951407 A 20070328